

Julian Merten

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10698733/publications.pdf>

Version: 2024-02-01

32
papers

3,080
citations

279798

23
h-index

434195

31
g-index

32
all docs

32
docs citations

32
times ranked

2686
citing authors

#	ARTICLE	IF	CITATIONS
1	THE CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 25.	7.7	659
2	A magnified young galaxy from about 500 million years after the Big Bang. <i>Nature</i> , 2012, 489, 406-408.	27.8	273
3	CLASH: WEAK-LENSING SHEAR-AND-MAGNIFICATION ANALYSIS OF 20 GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 795, 163.	4.5	233
4	HUBBLE SPACE TELESCOPE COMBINED STRONG AND WEAK LENSING ANALYSIS OF THE CLASH SAMPLE: MASS AND MAGNIFICATION MODELS AND SYSTEMATIC UNCERTAINTIES. <i>Astrophysical Journal</i> , 2015, 801, 44.	4.5	207
5	KiDS+GAMA: cosmology constraints from a joint analysis of cosmic shear, galaxy-galaxy lensing, and angular clustering. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 4662-4689.	4.4	163
6	CLASH: JOINT ANALYSIS OF STRONG-LENSING, WEAK-LENSING SHEAR, AND MAGNIFICATION DATA FOR 20 GALAXY CLUSTERS*. <i>Astrophysical Journal</i> , 2016, 821, 116.	4.5	160
7	The third data release of the Kilo-Degree Survey and associated data products. <i>Astronomy and Astrophysics</i> , 2017, 604, A134.	5.1	155
8	The behaviour of dark matter associated with four bright cluster galaxies in the 10 ^h pc core of Abell 3827. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 3393-3406.	4.4	147
9	CLASH: PRECISE NEW CONSTRAINTS ON THE MASS PROFILE OF THE GALAXY CLUSTER A2261. <i>Astrophysical Journal</i> , 2012, 757, 22.	4.5	112
10	CLASH-X: A COMPARISON OF LENSING AND X-RAY TECHNIQUES FOR MEASURING THE MASS PROFILES OF GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 794, 136.	4.5	105
11	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56.	4.5	101
12	KiDS-450: cosmological constraints from weak-lensing peak statistics – II: Inference from shear peaks using N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 712-730.	4.4	86
13	CLASH: COMPLETE LENSING ANALYSIS OF THE LARGEST COSMIC LENS MACS J0717.5+3745 AND SURROUNDING STRUCTURES. <i>Astrophysical Journal</i> , 2013, 777, 43.	4.5	79
14	KiDS-450: cosmological constraints from weak lensing peak statistics – I. Inference from analytical prediction of high signal-to-noise ratio convergence peaks. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 1116-1134.	4.4	79
15	ILLUMINATING A DARK LENS: A TYPE Ia SUPERNOVA MAGNIFIED BY THE FRONTIER FIELDS GALAXY CLUSTER ABELL 2744. <i>Astrophysical Journal</i> , 2015, 811, 70.	4.5	67
16	FRONTIER FIELDS: SUBARU WEAK-LENSING ANALYSIS OF THE MERGING GALAXY CLUSTER A2744*. <i>Astrophysical Journal</i> , 2016, 817, 24.	4.5	54
17	THREE GRAVITATIONALLY LENSED SUPERNOVAE BEHIND CLASH GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2014, 786, 9.	4.5	45
18	The Projected Dark and Baryonic Ellipsoidal Structure of 20 CLASH Galaxy Clusters*. <i>Astrophysical Journal</i> , 2018, 860, 104.	4.5	44

#	ARTICLE	IF	CITATIONS
19	Unveiling the Dynamical State of Massive Clusters through the ICL Fraction. <i>Astrophysical Journal</i> , 2018, 857, 79.	4.5	41
20	THE CONTRIBUTION OF HALOS WITH DIFFERENT MASS RATIOS TO THE OVERALL GROWTH OF CLUSTER-SIZED HALOS. <i>Astrophysical Journal</i> , 2013, 776, 91.	4.5	33
21	Galaxy cluster lensing masses in modified lensing potentials. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4085-4102.	4.4	32
22	KiDS-450: tomographic cross-correlation of galaxy shear with Planck lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 1619-1633.	4.4	27
23	GALAXY HALO TRUNCATION AND GIANT ARC SURFACE BRIGHTNESS RECONSTRUCTION IN THE CLUSTER MACSJ1206.2-0847. <i>Astrophysical Journal</i> , 2013, 774, 124.	4.5	24
24	CLASH-VLT: CONSTRAINTS ON THE DARK MATTER EQUATION OF STATE FROM ACCURATE MEASUREMENTS OF GALAXY CLUSTER MASS PROFILES. <i>Astrophysical Journal Letters</i> , 2014, 783, L11.	8.3	23
25	THE DETECTION AND STATISTICS OF GIANT ARCS BEHIND CLASH CLUSTERS. <i>Astrophysical Journal</i> , 2016, 817, 85.	4.5	23
26	Dark matter dynamics in Abell 3827: new data consistent with standard cold dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 669-677.	4.4	22
27	CLUMP-3D: Three-dimensional Shape and Structure of 20 CLASH Galaxy Clusters from Combined Weak and Strong Lensing. <i>Astrophysical Journal</i> , 2018, 860, 126.	4.5	22
28	CLUMP-3D: three-dimensional lensing and multi-probe analysis of MACS J1206.2~0847, a remarkably regular cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3801-3826.	4.4	21
29	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. <i>Astrophysical Journal</i> , 2018, 861, 71.	4.5	19
30	Mesh-free free-form lensing – I. Methodology and application to mass reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 2328-2345.	4.4	15
31	Weak lensing shear estimation beyond the shape-noise limit: a machine learning approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	6
32	Joint cluster reconstructions. <i>Astronomy and Astrophysics</i> , 2019, 627, A143.	5.1	3